

11 South Meridian Street

Indianapolis, Indiana 46204

(317) 236-1313

(317) 231-7433 Fax

101538405

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Applicant: WATZELE, Manfred;
 BUCHBERGER, Bernd; PAULUS,
 Michael

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Respectfully submitted,

Rebecca Ball

Rebecca L. BALL
 Atty. Reg. No. 46535
 Attorney for Applicants

U.S. DEPARTMENT OF COMMERCE
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INFORMATION DISCLOSURE STATEMENT

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APPLICANT

WATZEL, ManfredL BUCHBERGER, Bernd; PAULUS, Michael

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U.S. PATENT DOCUMENTS

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
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FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes No
	AB	WO 89/00604	01/26/1989	WO			

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

AC	BUTT, Tauseef R. et al.; "Ubiquitin fusion augments the yield of cloned gene products in <i>Escherichia coli</i> "; BIOCHEMISTRY; Vol. 86, April 1989, pp. 2540-2544
AD	GEORGE, Henry J. et al.; "High-Level Expression in <i>Escherichia coli</i> of Biologically Active Bovine Growth Hormone"; DNA, Vol. 4, No. 4, 1985; pp. 273-281
AE	GOLD, Larry; "Posttranscriptional Regulatory Mechanisms in <i>Escherichia Coli</i> "; Ann. Rev. Biochem; Vol. 57; 1988; pp. 199-233
AF	HANNIG, Gerhard; "Strategies for optimizing heterologous protein expression in <i>Escherichia coli</i> "; TIBECH, Vol. 16, February 1998
AG	JAEGER, John A.; "Predicting Optimal and Suboptimal Secondary Structure for RNA"; METHODS IN ENZYMOLOGY, Vol. 183, pp. 281-307
AH	MAKRIDES, Savvas C.; "Strategies for Achieving High-Level Expression of Genes in <i>Escherichia coli</i> "; MICROBIOLOGICAL REVIEWS, Vol. 60, No. 3, September 1996, pp. 512-538
AI	MUKUND, Mandayam Alasingachar et al.; "Effect of mRNA secondary structure in the regulation of gene expression: Unfolding of stable loop causes the expression of Taq polymerase in <i>E. coli</i> "; CURRENT SCIENCE; Vol.76, No. 11; June 10, 1999, pp. 1486-1490
AJ	PEDERSEN-LANE, Joan et al.; "High-Level Expression of Human Thymidylate Synthase"; PROTEIN EXPRESSION AND PURIFICATION, Article No. PT970750, 10, 1997, pp. 256-262
AK	de SMIT, Maarten H. et al.; "Control of Translation by mRNA Secondary Structure in <i>Escherichia coli</i> A Quantitative Analysis of Literature Data"; J. MOL. BIOL., 244, pp. 144-150
AL	SPANJAARD, Remco A. et al.; "Expression of the rat interferon- α gene in <i>Escherichia coli</i> controlled by the secondary structure of the translation-initiation region"; GENE, 80, 1989, pp. 345-351 (XP-002182303)
AM	SPRENGART, Michael L. et al.; "The downstream box: an efficient and independent translation initiation signal in <i>Escherichia coli</i> "; The EMBO Journal, Vol 15, No. 3, 1996, pp. 665-674
AN	STENSTROM, C. Magnus et al.; "Codon bias at the 3'-side of the initiation codon is correlated with translation initiation efficiency in <i>Escherichia coli</i> "; GENE, 263, 2001, pp. 273-284
AO	STENSTROM, C. Magnus et al.; "Cooperative effects by the initiation codon and its flanking regions on translation initiation"; GENE, 273, 2001, pp. 259-265; (XP-002285920)
AP	TESSIER, Luc-Henri et al.; "The influence of mRNA primary and secondary structure on human IFN- γ gene expression in <i>E. coli</i> " NUCLEIC ACIDS RESEARCH; Vol. 12, No. 20, 1984, pp. 7663-7675

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